

# TRANSMITTAL FORM

|                           |                  |
|---------------------------|------------------|
| Application Serial Number | 10/759,374       |
| Filing Date               | January 16, 2004 |
| First Named Inventor      | Hafeman          |
| Group Art Unit            | 1651             |
| Examiner Name             | Not yet assigned |
| Attorney Docket No.       | THI-003          |
| Patent No.                | Not applicable   |
| Issue Date                | Not applicable   |

## ENCLOSURES (check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Check Attached<br><input type="checkbox"/> Copy of Fee Transmittal Form<br><br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> Preliminary<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____]<br><br><input type="checkbox"/> Petition for Extension of Time<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><input checked="" type="checkbox"/> Form PTO-1449<br><input checked="" type="checkbox"/> Copies of IDS Citations<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Sequence Listing submission<br><input type="checkbox"/> Paper Copy/CD<br><input type="checkbox"/> Computer Readable Copy<br><input type="checkbox"/> Statement verifying identity of above | <input type="checkbox"/> Copy of Notice to File Missing Parts of Application<br><br><input type="checkbox"/> Formal Drawing(s)<br><br><input type="checkbox"/> Request For Continued Examination (RCE) Transmittal<br><br><input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application<br><br><input type="checkbox"/> Small Entity Statement<br><br><input type="checkbox"/> CD(s) for large table or computer program<br><br><input type="checkbox"/> Amendment After Allowance<br><br><input type="checkbox"/> Request for Certificate of Correction<br><input type="checkbox"/> Certificate of Correction (in duplicate) | <input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences<br><br><input type="checkbox"/> Appeal Brief (in triplicate)<br><br><input type="checkbox"/> Status Inquiry<br><br><input checked="" type="checkbox"/> Return Receipt Postcard<br><input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8<br><br><input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8<br><br><input type="checkbox"/> Additional Enclosure(s) (please identify below) |
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## CORRESPONDENCE ADDRESS

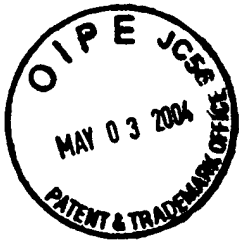
Direct all correspondence to: Patent Administrator  
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125 High Street  
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## SIGNATURE BLOCK

Respectfully submitted,

Date: April 29 2004  
Reg. No. 44,381  
Tel. No.: (617) 310-8327  
Fax No.: (617) 248-7100

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PATENT  
Attorney Docket No. THI-003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Hafeman  
SERIAL NO.: 10/759,374 GROUP NO.: 1651  
FILING DATE: January 16, 2004 EXAMINER: Not yet assigned  
TITLE: METHODS AND DEVICES FOR MONITORING CELLULAR  
METABOLISM IN MICROFLUIDIC CELL-RETAINING  
CHAMBERS

**CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8**

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 29<sup>th</sup> day of April, 2004

  
Wendy Martin

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith are: Transmittal Form (1 page); Supplemental Information Disclosure Statement (2 pages); Form PTO-1449 (1 page); References Labeled B9 to B12 and C40; and a return receipt postcard.



PATENT  
Attorney Docket No. THI-003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Hafeman  
SERIAL NO.: 10/759,374 GROUP NO.: 1651  
FILING DATE: January 16, 2004 EXAMINER: Not yet assigned  
TITLE: METHODS AND DEVICES FOR MONITORING CELLULAR  
METABOLISM IN MICROFLUIDIC CELL-RETAINING  
CHAMBERS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

Respectfully submitted,

Date: April 29, 2004  
Reg. No. 44,381

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3059856-1

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|  |  |   |         |                               |                 |              |                               |                  |                       |
|--|--|---|---------|-------------------------------|-----------------|--------------|-------------------------------|------------------|-----------------------|
| FORM PTO - 1449                                  |  |   |         | ATTY DOCKET NO.: THI-003      |                 |              |                               |                  |                       |
| SUPPLEMENTAL INFORMATION<br>DISCLOSURE STATEMENT |  |   |         | APPLICANTS: Hafeman           |                 |              |                               |                  |                       |
|  |  |   |         | SERIAL NO.: 10/759,374        |                 |              |                               |                  |                       |
|  |  |   |         | FILING DATE: January 16, 2004 |                 |              |                               |                  |                       |
|  |  |   |         | GROUP: 1651                   |                 |              |                               |                  |                       |
| U.S. PATENT DOCUMENTS                            |  |   |         |                               |                 |              |                               |                  |                       |
| EXAM.<br>INIT.                                   |  | DOCUMENT<br>NUMBER  | DATE    | NAME                          | CLASS           | SUB<br>CLASS | FILING DATE IF<br>APPROPRIATE |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
| FOREIGN PATENT DOCUMENTS                         |  |   |         |                               |                 |              |                               |                  |                       |
| EXAM.<br>INIT.                                   |  | DOCUMENT<br>NUMBER  | DATE    | COUNTRY<br>CODE               | CLASS           | SUB<br>CLASS | FILING<br>DATE                | ABSTRACT<br>ONLY | ENGLISH<br>LANG (Y/N) |
|  | B9   | WO 02/061858  | 08/2002 | PCT                           |                 |              |                               | NO               | YES                   |
|  | B10  | 101 36 005 C1   | 11/2002 | DE                            |                 |              |                               | NO               | NO                    |
|  | B11  | 42 17 868 A1  | 12/1993 | DE                            |                 |              |                               | NO               | NO                    |
|  | B12  | 0 722 136 A2  | 07/1996 | EP                            |                 |              |                               | NO               | NO                    |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
| OTHER ART, JOURNAL ARTICLES, ETC.                |  |   |         |                               |                 |              |                               |                  |                       |
| EXAM.<br>INIT.                                   | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) |   |         |                               |                 |              |                               |                  |                       |
|  | C40  | International Search Report for International Application No. PCT/US03/38294, 04/2004 |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
|  |  |   |         |                               |                 |              |                               |                  |                       |
| EXAMINER   |  |   |         |                               | DATE CONSIDERED |              |                               |                  |                       |